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QUESTION 1

ABC Hospital wishes to create a strong security policy as a first step in securing their 802.11 WLAN. Before creating the WLAN security policy, what should you ensure you possess?

A. Management support for the process.

B. Security policy generation software.

C. End-user training manuals for the policies to be created.

D. Awareness of the exact vendor devices being installed.

Correct Answer: A

QUESTION 2

Joe\\'s new laptop is experiencing difficulty connecting to ABC Company\\'s 802.11 WLAN using 802.1X/EAP PEAPv0. The company\\'s wireless network administrator assured Joe that his laptop was authorized in the WIPS management console for connectivity to ABC\\'s network before it was given to him. The WIPS termination policy includes alarms for rogue stations, rogue APs, DoS attacks and unauthorized roaming. What is a likely reason that Joe cannot connect to the network?

A. An ASLEAP attack has been detected on APs to which Joe\\'s laptop was trying to associate. The WIPS responded by disabling the APs.

B. Joe configured his 802.11 radio card to transmit at 100 mW to increase his SNR. The WIPS is detecting this much output power as a DoS attack.

C. Joe\\'s integrated 802.11 radio is sending multiple Probe Request frames on each channel.

D. Joe disabled his laptop\\'s integrated 802.11 radio and is using a personal PC card radio with a different chipset, drivers, and client utilities.

Correct Answer: D

QUESTION 3

In the basic 4-way handshake used in secure 802.11 networks, what is the purpose of the ANonce and SNonce?

A. They are added together and used as the GMK, from which the GTK is derived.

B. They are used to pad Message 1 and Message 2 so each frame contains the same number of bytes.

C. The IEEE 802.11 standard requires that all encrypted frames contain a nonce to serve as a Message Integrity Check (MIC).

D. They are input values used in the derivation of the Pairwise Transient Key.

Correct Answer: D

QUESTION 4

What preventative measures are performed by a WIPS against intrusions?

A. Uses SNMP to disable the switch port to which rogue APs connect.

B. Evil twin attack against a rogue AP.

C. EAPoL Reject frame flood against a rogue AP.

D. Deauthentication attack against a classified neighbor AP.

E. ASLEAP attack against a rogue AP.

Correct Answer: A

QUESTION 5

What attack cannot be detected by a Wireless Intrusion Prevention System (WIPS)?

A. Deauthentication flood

B. Soft AP

C. EAP flood

D. Eavesdropping

E. MAC Spoofing

F. Hotspotter

Correct Answer: D

QUESTION 6

Your organization is using EAP as an authentication framework with a specific type that meets the requirements of your corporate policies. Which one of the following statements is true related to this implementation?

A. The client STAs may communicate over the controlled port in order to authenticate as soon as the Open System authentication completes.

B. The client STAs may communicate over the uncontrolled port in order to authenticate as soon as the Open System authentication completes.

C. The client STAs may use a different, but complementary, EAP type than the AP STAs.

D. The client will be the authenticator in this scenario.

Correct Answer: B

QUESTION 7

You support a coffee shop and have recently installed a free 802.11ac wireless hotspot for the benefit of your customers. You want to minimize legal risk in the event that the hotspot is used for illegal Internet activity. What option specifies the best approach to minimize legal risk at this public hotspot while maintaining an open venue for customer Internet access?

A. Require client STAs to have updated firewall and antivirus software.

B. Block TCP port 25 and 80 outbound on the Internet router.

C. Use a WIPS to monitor all traffic and deauthenticate malicious stations.

D. Implement a captive portal with an acceptable use disclaimer.

E. Allow only trusted patrons to use the WLAN.

F. Configure WPA2-Enterprise security on the access point.

Correct Answer: D

QUESTION 8

What TKIP feature was introduced to counter the weak integrity check algorithm used in WEP?

A. RC5 stream cipher

B. Block cipher support

C. Sequence counters

D. 32-bit ICV (CRC-32)

E. Michael

Correct Answer: E

QUESTION 9

ABC Company is an Internet Service Provider with thousands of customers. ABC\\'s customers are given login credentials for network access when they become a customer. ABC uses an LDAP server as the central user credential database. ABC is extending their service to existing customers in some public access areas and would like to use their existing database for authentication. How can ABC Company use their existing user database for wireless user authentication as they implement a large-scale WPA2Enterprise WLAN security solution?

A. Implement a RADIUS server and query user authentication requests through the LDAP server.

B. Mirror the LDAP server to a RADIUS database within a WLAN controller and perform daily backups to synchronize the user databases.

C. Import all users from the LDAP server into a RADIUS server with an LDAP-to-RADIUS conversion tool.

D. Implement an X.509 compliant Certificate Authority and enable SSL queries on the LDAP server.

Correct Answer: A

QUESTION 10

The IEEE 802.11 Pairwise Transient Key (PTK) is derived from what cryptographic element?

A. PeerKey (PK)

B. Group Master Key (GMK)

C. Key Confirmation Key (KCK)

D. Pairwise Master Key (PMK)

E. Phase Shift Key (PSK)

F. Group Temporal Key (GTK)

Correct Answer: D

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